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6TH DISTRICT, CALIFORNIA

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FI-113

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Washington, DC 20515-0506

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INTERNET ADDRESS:
woolsey@hr.house.gov

July 29, 1997

AUG 05 1997

CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

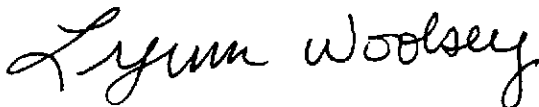
Dear CALFED Technical Review Panel:

I am writing to express my support for the Southern Sonoma County Resource Conservation District's (SSCRCD) proposal for funding from the CALFED Bay-Delta Program. SSCRCD has been working effectively in the Sonoma Creek Watershed since 1994, bringing residents together to complete a community-based watershed plan and implement vineyard demonstration projects to reduce sedimentation and improve wildlife habitat.

As I understand, funding from CALFED will allow SSCRCD to implement recommendations of the Watershed Planning Project for Sonoma Creek, which will protect the creek's sustainable steelhead run and its' threatened and endangered species. Their efforts could serve as a model for a grass-roots action to improve watershed resources.

Thank you for your careful consideration of SSCRCD's application for funding. It is my sincere hope that SSCRCD will receive the funding it needs to continue and expand its environmental preservation efforts for the Sonoma Creek watershed.

Sincerely,



Lynn Woolsey
Member of Congress

LW:tf

F1-113

**SOUTHERN SONOMA COUNTY
RESOURCE CONSERVATION DISTRICT**
1301 Redwood Way, Suite 170 - Petaluma, CA 94954 - (707) 794-1242

July 25, 1997

CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, California 95814

DWR WAREHOUSE
97 JUL 28 PM 1:33

Dear CALFED Technical Review Committee,

Southern Sonoma County Resource Conservation District is pleased to submit a proposal for Category III funds to CALFED Bay-Delta Program.

One copy of the Sonoma Creek Watershed Enhancement Plan has been provided in order to address evaluation criteria shown in Section K of the RFP.

Questions regarding this proposal may be directed to Robert Rand at (707) 794-1242.

Please find enclosed an Inquiry Submittal the Petaluma River Watershed.

Sincerely,

Robert Rand for

Patricia Ward
President of the Board

Enclosures: 10 copies of proposal for Category III funding
1 copy of Sonoma Creek Watershed Enhancement Plan

Southern Sonoma County Resource Conservation District: President- Tish Ward; Vice President- Paul Martin; Board Members- Maxine Durney, Mitch Mulas, James Ryan; Associate Directors- Susan Bianchi, Clarence Jenkins

HABITAT MANAGEMENT PROGRAM

I EXECUTIVE SUMMARY

The Southern Sonoma County Resource Conservation District is pleased to submit this Inquiry Submittal for possible CALFED funding of the Habitat Management Program for the upper watershed areas of the Petaluma River.

PROJECT DESCRIPTION

The District is seeking an endowment to provide on-going revenues for a long-term Habitat Management Program for the upper watershed areas of the Petaluma River. The endowment would be invested and interest earnings would be utilized to provide assistance to farmers in the upper watershed areas in modifying their management practices to reduce impacts to the watershed related to grazing, erosion, and dairy waste management practices.

APPROACH/TASKS/SCHEDULE

Endowment funds would be utilized annually to fence riparian corridors, complete bank stabilization, provide enhancement plantings, control invasive weeds and develop appropriate dairy waste management systems. The endowment earnings would be matched with EQIP funds, Regional Board fines, and/or in-kind donations of labor from the farmers or other interested groups. The Habitat Management Program would parallel with the City of Petaluma's proposal for the lower watershed areas.

JUSTIFICATION

Funding of both endowment proposals would empower the City and the District to restore the Petaluma River Watershed in a comprehensive program over a 10 to 20 year period. The District's focus would be on the upper watershed areas, while the City of Petaluma's focus would be on the lower watershed areas. Without the endowment funding, the District will provide assistance to farmers on a project by project basis as funding becomes available. The Endowment Fund would provide greater leverage in seeking other matching grant sources and would initiate greater participation from the ranching community.

BUDGET COSTS AND APPLICANT QUALIFICATIONS

A proposed endowment of \$2 million is suggested which would provide annual revenues of \$100,000 for the Habitat Management Program. With this level of funding, the District could provide fencing for an estimated 3 to 6 miles of riparian corridor annually. The District will work with willing landowners only so there will be no third party impacts. The District is well-qualified to administer an endowment fund and provide the assistance to the property owners.

MONITORING AND DATA EVALUATION

The District will monitor the Habitat Management Program in conjunction with the regular duties of the District. The proposed project would be closely monitored in conjunction with the Watershed Science Project proposed by the City of Petaluma and the S.F. Estuary Institute in a companion proposal to CALFED. The monitoring program would be tied to the Regional Monitoring Effort.

LOCAL SUPPORT/COORDINATION WITH OTHER PROGRAMS

The Endowment would be coordinated with the Districts 205j Planning Grant which is currently underway. The Endowment would provide the needed funding for implementation.

COMPATIBILITY WITH CALFED OBJECTIVES

The proposed pilot project and endowment would provide for a comprehensive approach to ecosystem restoration, as well as meet other CALFED objectives related to water supply and water quality. The Districts Habitat Management Program for the Upper Watershed would have a synergistic effect with the restoration programs initiated by the City of Petaluma in the lower watershed areas and Adobe Creek. Collectively, the proposals submitted by the City and the District would provide for near complete restoration of the Petaluma River watershed and serve as a model restoration and habitat management program for other communities.

I. Executive Summary

A. *Sonoma Creek Watershed Conservancy: Watershed Restoration Program* Southern Sonoma County Resource Conservation District

B. Project Description/Objectives

Priority Species Benefited

Steelhead trout

Winter-run chinook salmon

Priority Habitats Restored

Instream Aquatic

Shaded Riverine Aquatic

DMR WAPTION:SE
97 JUL 28 PM 1:33

The Sonoma Creek Watershed Restoration Program is a community based, collaborative public/private effort to weave elements of habitat restoration, conservation outreach, community volunteerism and watershed assessment together with adaptive watershed management. The primary biological objectives are to restore and enhance priority habitats and species identified above and improve threatened and endangered species habitats for California freshwater shrimp, and red-legged frog within the watershed. The primary ecological objectives are to implement a scientifically based, technically sound program of watershed assessment and continue outreach efforts to: (1) establish baseline data to support future restoration work and provide a scientific foundation for monitoring programs; and (2) maintain continuity with recent watershed planning efforts to expedite implementation of the watershed plan.

Southern Sonoma County Resource Conservation District (SSCRCD) working together with San Francisco Estuary Institute (SFEI), Sonoma Ecology Center (SEC) and Sonoma Valley Vintners and Growers Alliance (SVVGA) have formed a partnership to expedite the restoration of Sonoma Creek Watershed by:

1. Implementation of priority habitat restoration projects recommended by the Sonoma Creek Watershed Enhancement Plan (1997) and Sonoma Creek Habitat Inventory (1996). These projects will mitigate the following CALFED identified stressors:

Stressors

Alteration of Flows
Channel Form Changes
Water Quality
Water Temperature
Undesirable Species Interactions
Land Use

Sub-stressors

Migration Barriers
Loss of Existing Riparian Zone
Lack of Regeneration Potential
Alteration of Channel Form
Channel Aggradation Due to Fine Sediment
Grazing/ Urbanization
Forestry and Agricultural Practices

2. Fund a watershed coordinator to: (a) provide adaptive management and oversight of all watershed restoration and assessment projects; (b) coordinate and facilitate bi-monthly Technical Advisory Committee (TAC) meetings to review data, interim progress reports and provide direction; (c) continue outreach, e.g. watershed newsletter.

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3. Develop baseline data to fill identified data gaps through implementation of a scientifically based, technically sound method of watershed assessment developed by SFEI. A comprehensive assessment of hydrology, geomorphology, and sedimentation will provide water quality, flow, channel form changes, and other pertinent information (in GIS format) and will bolster SEC's monitoring program.

C. Approach/Tasks/Schedule The SSCRCD will hire a watershed coordinator to manage projects and programs under this proposal and oversee sub-contractors - specifically SFEI, SEC, and SVVGA. The watershed coordinator will report directly to the SSCRCD Board of Directors. The Sonoma Creek Watershed Restoration Program will involve concurrent execution habitat restoration projects, implementation of watershed science/assessment plan, and focused watershed management by the watershed coordinator. This program of restoration will be accomplished over a period of one to three years depending on the specific task (see Timeline, Section IV. B). SSCRCD Restoration projects will begin immediately following a signed contract with CALFED.

D. Justification

- The projects and programs in this proposal focus on high-risk species and habitats and provide broad ecosystem benefits meeting the objectives for Category III funding and CALFED Bay -Delta Program.
- This proposal is a collaborative effort to address priority species, habitats and stressors identified in the CALFED ERPP located in the CALFED North Bay Solution Area.
- The District has recently completed a watershed plan with funding from SWRCB for this 170-square mile watershed supported by the community and key local, state and federal agencies and private organizations (see section H).
- CALFED funds will leverage other funds and expedite current restoration and assessment efforts underway.

E. Budget Costs and Third Party Impacts The CALFED request for this project is \$399,729 for the first year of a 3-year \$1,726,029.00 restoration program. No adverse third party impacts are expected.

F. Applicant Qualifications The Southern Sonoma County Resource Conservation District is well qualified to administer all elements of this proposal (see Section V).

G. Monitoring and Data Evaluation Restoration projects in this proposal include one year of post project monitoring. Data collected will be reviewed by the TAC and project partners to ensure QA/QC.

H. Local Support/Coordination/CALFED Compatibility The project has local and regional support from NRCS, National Marine Fisheries Service, California Department of Fish and Game, and Bouverie Audubon Canyon Preserve. This program will coordinate with other programs (see Section V) and complement previous and current efforts totaling over \$500,000. This proposal is entirely consistent with CALFED objectives (see D above).

II. Title Page

Title: Sonoma Creek Watershed Conservancy
Watershed Restoration Program

Applicant: Southern Sonoma County Resource Conservation District - Robert Rand
1301 Redwood Way Suite 170
Petaluma, CA 94954
Telephone (707) 794-1242 FAX (707) 794-7902
E-mail rrand@ca.nrcs.usda.gov

Type of Organization: The Southern Sonoma County Resource Conservation District is a state chartered, local public agency charged with developing soil and water conservation programs in Sonoma County under Division 9 of the Public Resources Code. As a local public agency governed by a five member Board of Directors, the District is an instrumentality of the United States and thus tax exempt under section 501[c]1 of the Internal Revenue Code.

Tax Identification Number: 94-2785937

Technical Contact: Robert Rand, Resource Conservationist

Financial Contact: Jane Moore, Administrative Assistant

Collaborators:

San Francisco Estuary Institute - Josh Collins, PhD
1325 South 46th Street
Richmond, CA 94804
Telephone (510) 231-9539 FAX (510) 231-9414
E-mail josh@sfei.org

Sonoma Ecology Center - Richard Dale, Executive Director
205 First Street West
Sonoma, CA 95476
Telephone (707) 996-9744 FAX (707) 996-1744
E-mail sec@vom.com

Sonoma Valley Vintners and Growers Alliance - Chris Finley
453 First Street East
Sonoma, CA 95476
Telephone (707) 935-0803

RFP Project Group Type: Services

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III. A. Project Description and Approach

The Sonoma Creek Watershed Restoration Program is a coordinated, collaborative effort involving a combination of public and private organizations to expedite the restoration of Sonoma Creek Watershed by: (1) Supporting the continuing implementation of the 205(j) Sonoma Creek Watershed Enhancement Plan (June 1997) and specifically, Goals A and B of the plan; (2) Funding a watershed coordinator to oversee watershed restoration and assessment projects; (3) Implementing a scientifically based, technically sound method of assessment for watershed resources (SFEI). Specifically, the assessment of hydrology and geomorphology in the watershed are the primary physical features to be inventoried (GIS format) for study and monitoring to focus restoration activities; and (4) Facilitation of local organizations, SEC, SVVGA in implementing restoration, monitoring and conservation programs. Features of projects are outlined below by organization.

Southern Sonoma County Resource Conservation District:

Watershed Coordinator: The role of the watershed coordinator is to provide adaptive management, continuity and program oversight of all watershed restoration and assessment projects. Additional tasks include coordinating and facilitating bi-monthly TAC meetings to review data and project progress reports; and continue outreach, education efforts and watershed newsletter where funding for this task has ended with the completion of the watershed plan.

Fish Passage Project, Glen Ellen: A concrete box culvert has caused aggradation upstream and natural downcutting of the creek below the structure has resulted in an seven foot barrier to anadromous migration. More than two miles of moderate to good quality spawning and rearing habitat in the Bouverie Audubon Preserve has been isolated for years. Resident trout are abundant above the barrier. An engineered, loose rock weir will reduce jump to two to three feet, depending on flow. Loose rock rip-rap will stabilize an eroding streambank in this high-energy system at same location.

Streambank Stabilization & Riparian Corridor Revegetation: Biotechnical streambank stabilization will be installed on 175 feet of undercut bank with 6-8 foot vertical face downstream of Bridge. Native revegetation will be planted on 400 feet of streambank. This site will serve as a highly visible demonstration project.

Best Management Practices (BMP) Manual: This Manual will provide broad ecosystem benefits by providing simple land management practices in layman terms for the general public to reduce NPS pollution, sedimentation and encourage water conservation. The BMP Manual for urban & rural residents will be produced in both English and Spanish languages utilizing information previously gathered during watershed planning project.

Riparian Corridor Enhancement: This dual-purpose project will improve stream habitat and provide cross-fencing for improved riparian pasture management. This project will reduce habitat fragmentation of riparian corridor by re-establishing riparian vegetation on 3000 feet of stream, installing 6,000 feet of fence, tree planting on 3,000 feet of stream to increase canopy to provide shade and reduce thermal stress on anadromous species.

Sonoma Ecology Center:

Watershed Station:

- Develop an ecological characterization of the Sonoma Valley, including physical, chemical, biological, cultural, and historical features.
- Provide a technical resource to the community for research, restoration, and monitoring.
- Monitor water quality, creek health, and steelhead numbers, providing feedback to the community.

Volunteer training: Train community members as stewards of Sonoma Valley Creeks.

Data Management: Maintain an electronic database and geographic information system with internet access (web site) as a public resource.

Van Hoosear Preserve: Improve instream habitat on 2/3 mile of seasonal stream by completing exclusionary fencing project and implementing gully control.

Asbury Creek Fish Passage: Increase upstream anadromous fish habitat by developing plans and drawings for a baffle system in Arnold Drive culvert.

Arundo Donax Control Program: Reduce or eliminate Arundo Donax in the watershed by developing a master plan and by continuing volunteer eradication efforts.

San Francisco Estuary Institute:

Bay Area Watersheds Science Plan: Transfer science and technology to local partner. Develop baseline data to fill identified data gaps through implementation of a scientifically based method of watershed assessment developed by SFEI, (i.e. Bay Area Watersheds Science Plan). Specific tasks include a comprehensive assessment of hydrology, geomorphology, and sedimentation which will provide water quality, flow, channel form changes, and other pertinent information (GIS format) and bolster SEC's monitoring program.

Sonoma Valley Vintners and Growers Alliance:

Vineyard Demonstration Projects: The Sonoma Valley Vintners & Growers Alliance will work with willing vineyard owners to design, implement and promote environmentally responsible vineyard management practices. Working collaboratively as an industry we will focus on practices for environmental benefits for water quality, habitat, and wildlife. Working within these focus areas provides for the identified priority stressors and secondary stressors. Improvements to benefit the environment include: (1) proper planning for setbacks from riparian areas; and (2) sediment transfer reduction throughout the watershed through the broad use of cover crops, riparian vegetation buffers and vegetative and rock lined drainage ditches. Implementation of improved methods of chemical application (and sustainable options, including biologic controls), Integrated Pest Management and riparian plantings of native vegetation/trees and other plants to increase canopy cover in-stream. These actions will reduce sediment and chemical transfer in-stream, reduce water temperatures, provide protective cover for aquatic life forms, and reduce riparian erosion. Participating farms will present results and conduct demonstration events for the industry and where feasible to the public.

B. Location and/or Geographic Boundaries

Sonoma County, Sonoma Creek Watershed; see attached Sonoma Creek Watershed Map; California Hydrologic Map Unit Number 18050002

C. Expected Benefit(s) The primary biological objectives are to restore and enhance shaded riverine aquatic, instream aquatic in Sonoma Creek watershed. Expected near-term benefits include enhanced instream and shaded riverine aquatic habitat from the removal of migration barriers, reduced sedimentation, improved land management practices, and revegetation of riparian corridors with native species. The project will expand available steelhead habitat in two creeks, create shaded riparian habitat in several locations leading to more suitable rearing habitat for salmonids and other wildlife. Long-term benefits expected from Watershed Science Plan (SFEI) and Watershed Station include development of a quantitative basis for assessing significant impacts of stressors previously identified (page 1) and targeting restoration actions and efforts.

These priority habitats currently supporting native fish and wildlife including anadromous salmonids (steelhead trout) and threatened and endangered species such as California freshwater shrimp, and red-legged frog.

D. Background and biological/Technical Justification

Need: The Sonoma Creek watershed, listed on State Water Resources Control Board's Impaired Waterbodies 303(d) list for sediment and nutrient loading is at risk of losing its anadromous fish habitat. Although salmonid runs, primarily steelhead trout, are sustainable, critical rearing habitat for young of the year has become increasingly degraded by sedimentation and effects of urbanization including NPS pollution and thermal stress. Progress toward achieving water quality, habitat restoration, and steelhead viability must be measured against some baseline condition. Data required for such a baseline condition assessment are out-of-date, collected at a single location, or otherwise spatially or temporally limited (see Appendix A of Watershed Plan).

Alternatives: Alternatives for watershed restoration were discussed and evaluated thoroughly during the development of the Sonoma Creek Watershed Enhancement Plan.

Basis for Expected Benefit: Restoration projects are based on science and methodology contained in Department of Fish & Game's 1994 California Salmonid Stream Habitat Restoration Manual by Flossi & Reynolds. This manual is currently utilized by Fish & Game to restore anadromous habitat in the neighboring Russian River Watershed.

Basis for Durability: Restoration projects will enhance ecosystem function and curtail further degradation of existing wildlife habitat. Restoration projects will utilize proven bio-technical designs and native materials where possible. Watershed assessment and monitoring projects will provide baseline data on which scientifically based decisions can be made, improve monitoring capability and facilitate the development of technically

sound restoration projects. Data collection will utilize the state-of-the-art equipment and evaluation of that data will be performed by respective scientists at San Francisco Estuary Institute and Sonoma Ecology Center and employ peer review as well.

Current Status: Recent efforts by SSCRCD, SEC and other local organizations to reverse the decline of wildlife habitat in the watershed have been well received by community and local press. Local support has been strong to continue restoration, enhancement and there were suggestions to study ways of reducing water diversion and improving summer stream flows.

The project has local and regional support from Natural Resources Conservation Service, National Marine Fisheries Service, Environmental Protection Agency, Fish and Wildlife Service, California Department of Fish and Game, State Water Resources Control Board, and Bouverie Audubon Canyon Preserve. This program will complement previous efforts totaling over \$500,000 including a 205(j) planning project, 319(h) implementation project to reduce sedimentation and other non-point source pollutants and the Team Arundo del Norte project - an Arundo Donax eradication effort of EPA, Resources Agency, Dept. of Fish & Game, Sonoma County Water Agency, et. al.

This proposal is entirely consistent with CALFED objectives and will provide measurable benefits to priority habitat and provide valuable data to support future restoration work.

E. Proposed Scope of Work:

Project Partner	Deliverable(s) for first year
Southern Sonoma Co. RCD	
Watershed Coordinator	Monthly Progress Reports - SSCRCD Board and CALFED
Fish Passage project Glen Ellen	Completed Project
Streambank Stabilization	Completed Project
Riparian Revegetation	
Best Management Practices Manual	Completed Urban BMP Manual
Riparian Corridor Enhancement	Completed Project
Sonoma Ecology Center	
Watershed Station	Annual Report
Task 1 Riparian Lab	Data Collection Plan, QA/QC Plan, Monitoring Plan, Data Report
Task 2 Volunteer Training	Creek Steward Training Manual, trained volunteers
Task 3 Data Management	Data Management Plan, 6 interim data reports, Web Site
Van Hoosear Preserve Project	Completed Project
Asbury Creek Fish Passage	Completed Engineering and Design
Arundo Donax Control Program	Arundo Eradication Master Plan, Report and Outreach Materials

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Project Partner	Deliverable(s) for first year
San Francisco Estuary Institute	
Task A.1	Eco-Atlas for sub-watershed
Task A.2	Photographic Base Map
Task B.1	Technical and Operation Protocols for Data Sharing
Task C.1	Historical Ecology Report
Task C.2.1	Quality Control Plan
Task C.2.2	Comprehensive set of GIS Maps of field work
Task C.2.3	Set of monumented stream reaches
Task C.2.4	GIS Maps of hillslope mass wasting
Task C.2.5	Hydrologic Data Report
Task D.	Comprehensive Report of Findings with supporting GIS
Sonoma Valley Vintners & Growers	
Task 1	Develop and distribute RFP for Demonstration Projects
Task 2	Review sites and BMP's utilized
Task 3	Select projects for funding
Task 4	Implement projects
Task 5	Identify Photographic Monitoring sites
Task 6	Coordinate Outreach with Adopt A Watershed Classes

F. Monitoring and Data Evaluation

Monitoring is an integral part of all projects in this proposal. The Sonoma Valley Watershed Station includes Riparian Laboratory and Data Management tasks that are directly engaged in monitoring, assessment, and reporting to the TAC as well as on-line via the Internet. Annual reports will continue to be issued including post-project monitoring data specific to this proposal. Data evaluation is conducted routinely by members of a science advisory committee comprised of local volunteer scientists and technical professionals, and published annually for public review through presentation at an annual public watershed education event. QA/QC and further evaluation will be assisted by scientists at SFEI (project partner) and by local universities with existing relationships to the project partners (SSU, UCD, SRJC).

Restoration projects in this proposal will utilize photographic monitoring and include a minimum of one year of post project monitoring. Data collected will be reviewed by the Sonoma Creek Technical Advisory Committee, project partners and other professionals.

G. Implementability

SSCRCD restoration projects have had preliminary review by applicable permitting agencies with the exception of obtaining a 1603 permit from Department of Fish & Game and concurrence from Army Corps of Engineers, there are no obstacles foreseen that will hinder implementation of any element of this proposal. Restoration projects in this proposal have been chosen based on their potential to increase available high quality aquatic habitat for anadromous salmonids, enhance riparian corridors and shaded riverine habitat, and their potential to serve as model community projects (i.e., willing project site landowners will assist in public outreach, allow public tours, school groups and provide information). These projects have had site analysis and preliminary design review and are ready for funding. Projects are fully consistent with CALFED objectives for ecosystem restoration.

SSCRCD working with SVVGA have completed more than \$100,000 in Vineyard Demonstration projects to date. With more than 210 growers in the valley, there are high profile Demonstration projects needing implementation to facilitate better land management practices throughout the Valley.

SFEI working with SEC have the staff, technical skills and tools necessary to ensure implementation of the Bay Area Watersheds Science Plan.

IV. Costs and Schedule

a. Budget Costs The projects and programs in this proposal focus on high-risk species and habitats (see page 1) and provide broad ecosystem benefits meeting the objectives for Category III funding and CALFED Bay -Delta Program. Some projects under this proposal are multi-year efforts and may be funded in phases. SSCRCD will continue to seek implementation funds. See attachment: Proposed Program Budget

b. Scheduled Milestones SSCRCD will bill CALFED or NFWF monthly on a time and materials basis for work completed. See attachment: Timeline

c. Third Party Impacts No adverse third party impacts are expected.

V. Applicant Qualifications

The Southern Sonoma County Resource Conservation District is a state chartered, local public agency and as such is an instrumentality of the United States, thus tax-exempt under section 501.C.1 of the Internal Revenue Code. The District, governed by a five member volunteer board of directors, has administered more than one million dollars in grant funding from federal, state and local sources to complete planning and implementation projects in Stemple Creek and Sonoma Creek Watersheds of Sonoma County. Sources of grant funds include United States Environmental Protection Agency, USFWS Partners for Wildlife, State Wildlife Conservation Board, State Water Resources

Control Board, State Coastal Conservancy and Sonoma County Fish and Wildlife Advisory Board.

SSCRCD Projects

- Erosion Control on Vineyards Damaged by Phylloxera, 1992, completed with \$25,000 in grant funding from San Francisco Estuary Project.
- Vineyard Management Practices: An Environmental Approach to Development and Maintenance, 1993, a handbook for vineyard owners covering all topics from planning to harvest.
- Tolay Creek Restoration Project: a 71 acre restoration of diked bayland currently farmed to Tidal Marsh; a collaborative project involving, USFWS, USEPA, NRCS, CA DFG, and others. This \$500,000 project is currently underway.
- Stemple Creek/Estero de San Antonio Watershed Enhancement Plan, 1994, this Plan was produced together with Marin County RCD as the watershed doesn't recognize county lines.
- Sonoma Creek Habitat Inventory, 1996, A comprehensive 31-mile inventory of stream habitat in the upper Sonoma Creek watershed utilizing DFG's California Salmonid Stream Habitat Restoration Manual; completed with \$31,000 in grant funding from Northwest Emergency Assistance Program.
- Sonoma Creek Watershed Enhancement Plan, 1997, completed with \$77,000 in 205(j) grant funding from SWRCB.
- Sonoma Creek Vineyard Demonstration Project, this \$260,000 project is currently in final phase and will be completed this fall.

References: Agency contacts familiar with our work available upon request.

Planned Organization of Staff and Other Resources

This Project will be conducted by the Sonoma Creek Watershed Conservancy. The Conservancy will be managed by a Watershed Coordinator with direction from the broad-based Technical Advisory Committee formed in 1996 and the SSCRCD Board. The Watershed Coordinator will report directly to the SSCRCD Board of Directors on a monthly basis. Funding for project partners will be allocated by the project applicant, who will be held accountable for products and deliverables to CALFED. Each project partners designated staff person will work with SSCRCD to provide inter-agency coordination and support. This restoration program dovetail with current projects and bolster current funding.

Robert Rand - Resource Conservationist

Robert will serve as Interim Project Manager for Watershed Restoration Program. Robert is a graduate of Sonoma State University with a degree in Environmental Studies and Planning with a focus of Natural Resources. He is the Project Manager for the Petaluma River Watershed Planning Project at SSCRCD. His recent work includes the Sonoma Creek Watershed Enhancement Plan, co-authored by Nancy Scolari.

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Paul Sheffer - Engineering Technician

Paul will provide engineering and technical assistance for SSCRCD projects. Paul has over 30 years experience working with Soil Conservation Service and more than five years with SSCRCD. He is currently provides engineering services to SSCRCD and serves as North Bay Forum Project Manager. Mr. Sheffer is an accomplished Poet.

Jane Moore - Administrative Assistant

Jane will handle administrative tasks for Watershed Restoration Program. Jane is the fiscal agent for SSCRCD. She performs a multitude of administrative tasks for the District and has three years experience as an Office Manager.

Joshua N. Collins, PhD

Josh will serve as science coordinator for SFEI's Bay Area Watersheds Science Plan implementation in the Sonoma Creek Watershed.

He is an Environmental Scientist with San Francisco Estuary Institute, where he leads the programs in wetlands and watersheds.

Richard Dale

Richard will be projects coordinator for SEC projects for Watershed Restoration Program. Richard serves as the executive director of the Sonoma Ecology Center, a community-based non-profit organization dedicated to supporting the ecological health of the Sonoma Valley through research, education and community participation. Dale co-founded the center in 1990 and has been instrumental in its program development. The Center runs eight programs including a six acre community farm, a regional GIS, a science advisory group, a volunteer creek restoration program and several public education projects. It is developing habitat preservation projects including a riparian park/preserve within the city of Sonoma, and a cross-valley habitat corridor linking the valley's mountain ridges. He holds a degree in Environmental Studies from UCSC and is the 1997 recipient of the John Muir Award for his national and local conservation efforts.

Chris Finley

Chris will be projects coordinator for SVVGA projects for Watershed Restoration Program. Chris is the Executive Director of the Sonoma Valley Vintners And Growers Alliance. She has worked with SSCRCD to complete the Vineyard Demonstration projects and Department of Pesticide Regulation to implement an Integrated Pest Management Program.

Nancy Scolari - Resource Conservationist

Nancy will provide staff support for SSCRCD projects. Nancy is a graduate of Sonoma State University with a degree in Environmental Studies and Planning, concentrating her studies in water quality technology. She has initiated and developed a water monitoring program for the Upper Stemple Creek watershed, assisted the dairy and livestock industries of Sonoma and Marin Counties with on-site water monitoring assistance, developed monitoring guidelines for the Sonoma Creek Watershed, and prepared the

Sonoma Creek Watershed Enhancement Plan. Nancy is currently administering \$300,000 in grant funds for the Sonoma Creek, Petaluma River, and Stemple Creek watersheds.

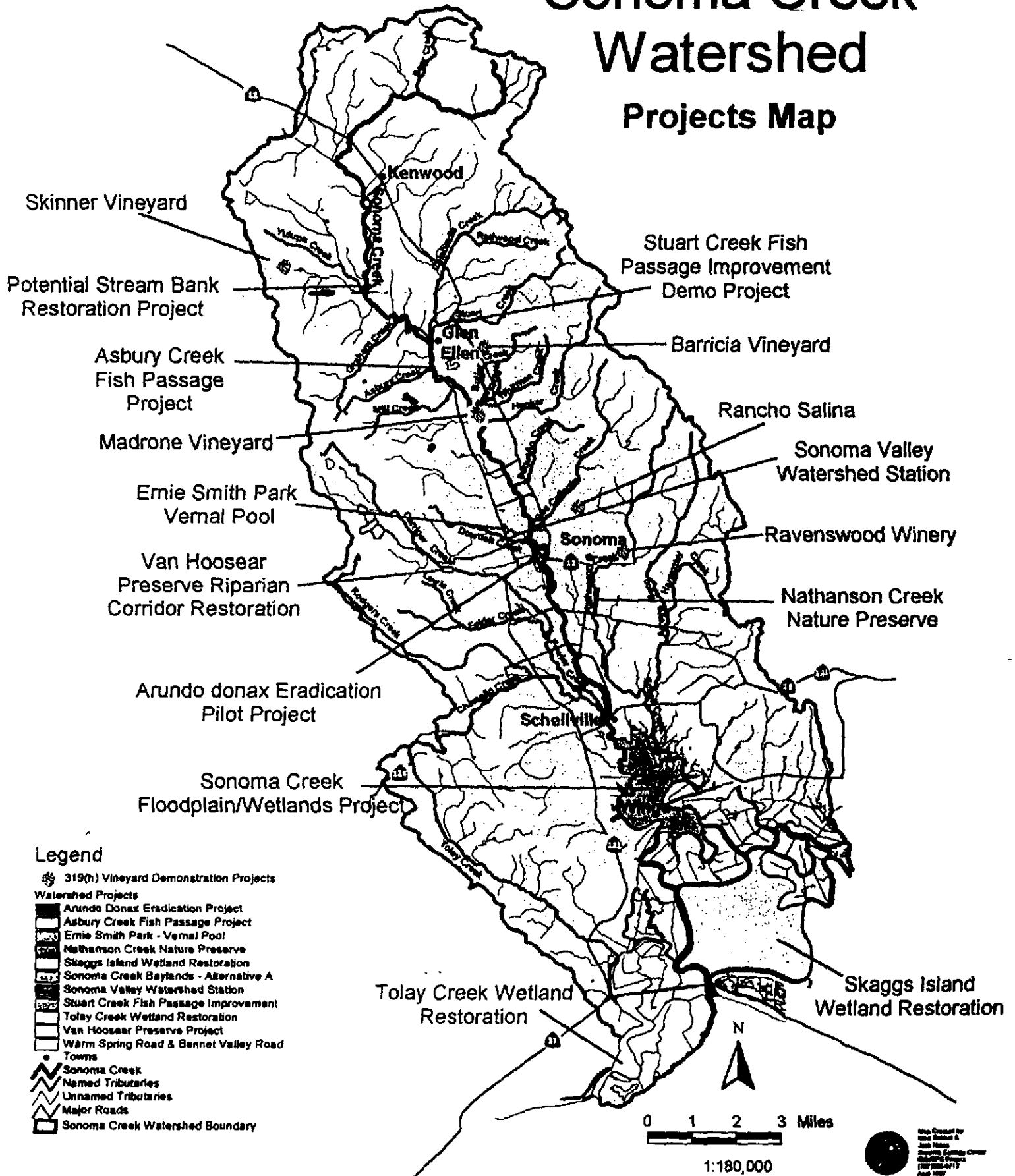
VI. Compliance with Standard Terms and Conditions

RFP Project Group Type: Services

Southern Sonoma County Resource Conservation District is recognized as a Special District by the State. For the purposes of this RFP, it was considered to be in the "Public" category on Table D-1 of the RFP. Therefore, we have provided a signed copy of the Non-Discrimination compliance form.

Sonoma Creek Watershed

Projects Map



Proposed Program Budget

Year 1

	Labor Hours	Direct Salary	Overhead	Service Contracts	Materials	Misc.	Total CALFED Request
Southern Sonoma Co. RCD							\$111,519
Percent of Total Budget		36.1%	3.6%	19.7%	40.5%	0.0%	100.0%
Watershed Coordinator	1,500	\$34,290	\$3,429	\$0	\$1,700	\$0	\$39,419
Fish Passage project Glen Ellen	40	\$1,200	\$120	\$5,000	\$28,000	\$0	\$34,320
Streambank Stabilization Riparian Revegetation	40	\$1,200	\$120	\$12,000	\$3,000	\$0	\$16,320
Best Management Practices Manual	120	\$2,400	\$240	\$0	\$1,500	\$0	\$4,140
Riparian Corridor Enhancement	40	\$1,200	\$120	\$5,000	\$11,000	\$0	\$17,320
subtotals		\$40,290	\$4,029	\$22,000	\$45,200	\$0	
Sonoma Ecology Center							\$109,510
Percent of Total Budget		37.0%	12.1%	18.7%	10.0%	22.1%	100.0%
Watershed Station							
Task 1 Riparian Lab		\$17,000	\$5,080	\$4,500	\$10,000	\$10,250	\$46,830
Task 2 Volunteer Training		\$0	\$0	\$0	\$0	\$2,000	\$2,000
Task 3 Data Management		\$12,000	\$3,240	\$1,000	\$0	\$5,500	\$21,740
Van Hoosear Preserve Project		\$0	\$720	\$5,000	\$0	\$4,000	\$9,720
Asbury Creek Fish Passage		\$0	\$960	\$10,000	\$0	\$2,000	\$12,960
Arundo Donax Control Program		\$11,500	\$3,260	\$0	\$1,000	\$500	\$16,260
subtotals		\$40,500	\$13,260	\$20,500	\$11,000	\$24,250	
San Francisco Estuary Institute							\$70,000
Phase 1			\$4,000	\$60,000	\$6,000		
Sonoma Valley Vintners & Growers							\$108,700
Percent of Total Budget			8.7%		87.4%	3.9%	100.0%
Vineyard Demonstration Best Management Projects			\$9,500		\$95,000	4200	
Sonoma Creek Watershed Conservancy Watershed							
First Year Total Budget							\$399,729

Proposed Program Budget

Years 2 and 3

	Total CALFED Request	Matching Funds	Match Source	Proposed Year 2	Proposed Year 3	Total Program budget
Southern Sonoma Co. RCD						
Watershed Coordinator	\$39,419	\$77,000	SSCRCD, 205(j)	\$40,600	\$41,800	
Fish Passage project			SSCRCD			
Glen Ellen	\$34,320	\$3,500	USDA NRCS	\$0	\$0	
Streambank Stabilization			SSCRCD In-kind			
Riparian Revegetation	\$16,320	\$1,500		\$20,000	\$20,000	
Best Management Practices Manual	\$4,140	\$800	SSCRCD In-kind	\$0	\$0	
Riparian Corridor Enhancement	\$17,320	\$5,000	SSCRCD Landowner	\$20,000	\$20,000	
subtotals	\$111,519	\$87,800		\$80,600	\$81,800	\$361,719
Sonoma Ecology Center						
Riparian Station						
Task 1 Riparian Lab	\$46,830	\$30,000	SEC In-kind	\$64,197	\$53,135	
Task 2 Volunteer Training	\$2,000	\$0		\$3,968	\$3,968	
Task 3 Data Management	\$21,740	\$28,000	SEC In-kind	\$41,791	\$40,730	
Van Hoosear Preserve Project	\$9,720	\$4,400	SEC In-kind Landowner	\$0	\$0	
Asbury Creek Fish Passage	\$12,960	\$500	SEC In-kind	\$47,000	\$0	
Arundo Donax Control Program	\$16,260	\$24,800	SEC In-kind DWR, DFG	\$23,076	\$22,535	
subtotals	\$109,510	\$87,700		\$180,032	\$120,368	\$497,610
San Francisco Estuary Institute						
Phase 1	70000	\$30,000	Packard Foundation	\$25,000	\$0	\$125,000
Sonoma Valley Vintners & Growers						
Vineyard Demonstration Best Management Projects	\$108,700	\$233,000	SSCRCD, 319(h)	\$200,000	\$200,000	\$741,700
Sonoma Creek Watershed Conservancy Watershed						
Total Budget						\$1,726,029

Timeline

A. Scheduled Milestones	Aug-97	Sep-97	Oct-97	Nov-97	Dec-97
Southern Sonoma Co. RCD					
Watershed Coordinator		Watershed Coordinator search	Hire Watershed Coordinator	Ongoing watershed management	
Fish Passage project Glen Ellen	Final design review and approval	Project permits received	Project completed		
Streambank Stabilization Riparian Revegetation.	Hire contractor for design				Final design review
Best Management Practices Manual		Develop urban BMPs	Publish BMPs Manual		
Riparian Corridor Enhancement	Hire contractor for design	Complete fencing & planting plans	Begin fencing projects Finish		Fencing projects completed
Sonoma Ecology Center					
Watershed Station					
Task 1 Riparian Lab		Community oversight committee development	Monitoring design/protocol development	Materials acquisition, QA/QC trainers	Training; winter data collection
Task 2 Training Program			Train trainers	Training event	
Task 3 Data Management	Ongoing data development	Develop data mgmt	Present plan	Refine/begin implementation	Ongoing data development
Anadromous Fish Restoration					
Task 1 Van Hoosear Preserve		Complete	Design/	Continue	Construction
Task 2 Asbury Creek		RFP	Select contractor	Design	Review design
Arundo Control Program	Ongoing				
San Francisco Estuary Institute					
Phase 1 Bay Area Watersheds Science Plan			Complete Eco-Atlas for subwatershed	Complete photographic base map	Complete technical, operation protocols
Sonoma Valley Vintners & Growers Alliance					
Vineyard Demonstration	Develop , distribute RFP	Review sites & BMPs	Select Projects		

Timeline

Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98
			Ongoing watershed management				
			Begin construction & planting		Project Completed		
	Begin planting projects		Projects completed				
97 data compiled; assessment	Coordinate GIS data, develop training	Ongoing monitoring report/pres	Low-flow data collection plan	Training, implementation	Ongoing monitoring, qa/qc	Ongoing monitoring	Report, monitoring
	Training event			Training event			
Develop website	Ongoing data development		Public presentation	Ongoing data development			Progress report
Complete, develop proposal				Secure funding	RFP for const.	Begin const. at low flow	
							Progress report
Start Historical Ecology Report, complete quality control plan	Complete Historical Ecology Report	Begin GIS maps		Complete monumented stream reaches	Complete GIS maps of hillside mass wasting	Hydrologic data report, complete GIS maps	Report & findings
	Photo Monitoring site plans		Coordinate Adopt A Watershed sites				Projects completed

NONDISCRIMINATION COMPLIANCE STATEMENT

COMPANY NAME

Southern Sonoma County Resource Conservation District

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

CERTIFICATION

I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

OFFICIAL'S NAME

Patricia Ward

DATE EXECUTED

7/25/97

EXECUTED IN THE COUNTY OF

Sonoma

PROSPECTIVE CONTRACTOR'S SIGNATURE



PROSPECTIVE CONTRACTOR'S TITLE

President of the Board of Directors

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME



**UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE**

Habitat Conservation Division
777 Sonoma Avenue, Room 325
Santa Rosa, California 95404

July 25, 1997 F/SWO:RLW

CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

Dear CALFED:

I wish to express support for the Southern Sonoma County Resource Conservation District (SRCD) in their efforts to construct a fishway on Sonoma Creek in the Town of Glen Ellen. The purpose of the *Pedley Project* is to enable migrating anadromous fish and other resident species to pass through the existing physical barrier - a waterfall, resulting from deterioration of a bridge and subsequent erosion of the stream.

In April, I inspected several potential fisheries restoration sites in Sonoma County with representatives of SRCD, Natural Resources Conservation Service, and California Department of Fish & Game (CDFG). Following these inspections, the Pedley Project was chosen as the most viable site based on my fisheries engineering opinion and a biological evaluation from the local game warden of CDFG. Subsequently, the team developed preliminary plans to construct this fishway and is now applying for funding assistance from CAL-FED.

As a fisheries restoration specialist and hydraulic engineer with the National Marine Fisheries Service office in Santa Rosa, I am willing to provide technical engineering support to ensure the proposed fishway is designed constructed properly. Please give serious consideration to the grant proposal of the SRCD for funding of this important fisheries project.

Sincerely,

Richard L. Wantuck
Hydraulic Engineer
National Marine Fisheries Service

cc: Robert Rand, SRCD





AUDUBON CANYON RANCH

BOUVERIE AUDUBON PRESERVE

CalFed Bay Delta Program
1416 9th street, suite 1155
Sacramento, CA 95814

July 10, 1997

Dear CalFed Bay Delta Program administrators,

In addition to the educational programs our preserves are well known for, Audubon Canyon Ranch at the Bouverie Preserve is dedicated to preserving, protecting and managing our properties for native plants and animals. We recognize the vital role an intact watershed plays in this endeavor, and send this letter to support the Southern Sonoma County Resource Conservation District's (SSCRCD) fish passage project in Stuart Creek near the community of Glen Ellen.

Stuart Creek has always been and remains a focal point for education programs at Bouverie Preserve. In the 16 years that Bouverie Preserve volunteers have provided stream education opportunities for school children and the general public, we have rarely noted the presence of significant numbers of fish in the upper reaches of the creek despite favorable habitat conditions. The SSCRCD project is a positive step toward correcting down-stream habitat degradation which has interfered with up-stream fish migration. We support their intentions to provide loose rock structures to bridge an eight foot vertical migration gap and ungrouted riprap to stabilize the stream bank. Such measures will help to restore the ecological integrity of the upper reaches of Stuart Creek and the Sonoma Creek watershed ecosystem as a whole. We encourage you to support their grant application.

Sincerely,

Rebecca Anderson-Jones,
Bouverie Preserve Biologist / Education Specialist